

Pion Interferometry relative to the Reaction Plane

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Abstract

Measurements of particle correlations in noncentral heavy ion collisions[ref. 1] provides unique information on the geometry of the emission region. In combination with measurements of spatial tilt[ref 2], the structure of the emission source can be connected with the physics of anisotropic flow.[ref 3] We will present preliminary results of pion interferometry relative to the reaction plane in Au + Au collisions at RHIC.

[1] M.A. Lisa and the E895 Collaboration nucl-ex/0007022 [2] M.A. Lisa, U. Heinz, and U. Wiedemann nucl-th/0003022 [3] S.A. Voloshin, W.E. Cleland, Phys Rev C. 52, 2694 (1995)
